

EFFICIENT AND SCALABLE PARAMETRIC STEREO CODING FOR LOW BITRATE APPLICATIONS

Patent number: JP2004535145 (T)

Publication date: 2004-11-18

Inventor(s):

Applicant(s):

Classification:

- International: G10L19/00; G10L19/02; G10L19/14;
H04S1/00; H04S3/00; H04S5/00;
G10L19/00; H04S; H04S1/00; H04S3/00;
H04S5/00; (IPC1-7): H04S5/00

- european: G10L19/00M; H04S1/00D; H04S3/00A

Application number: JP20030513284T 20020710

Priority number(s): SE20010002481 20010710;

SE20020000796 20020315;

SE20020002159 20020709;

WO2002SE01372 20020710

Also published as:

JP4447317 (B2)

WO03007656 (A1)

US200505053242 (A1)

US7382886 (B2)

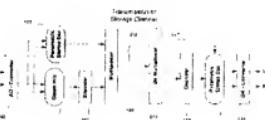
US2006023888 (A1)

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Abstract not available for JP 2004535145 (T)

Abstract of correspondent: WO 03007656 (A1)

The present invention provides improvements to prior art audio codecs that generate a stereo-illusion through post-processing of a received mono signal. These improvements are accomplished by extraction of stereo-image describing parameters at the encoder side, which are transmitted and subsequently used for control of a stereo generator at the decoder side. Furthermore, the invention bridges the gap between simple pseudo-stereo methods, and current methods of true stereo-coding, by using a new form of parametric stereo coding. A stereo-balance parameter is introduced, which enables more advanced stereo modes, and in addition forms the basis of a new method of stereo-coding of spectral envelopes, of particular use in systems where guided HFR (High Frequency Reconstruction) is employed. As a special case, the application of this stereo-coding scheme in scalable HFR-based codecs is described.



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